

Recovery Plan Action Status

Plan Name: St. Thomas Prickly-ash Recovery Plan

Plan Status: Final

Plan Date: 05-Apr-88

Lead Agency: USFWS

Lead Office: Caribbean Ecological Services Field Office

(887)
851-7297)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
St. Thomas prickly-ash (Zanthoxylum thomsonianum)	1	111	Establish conservation easements - Flag Hill, St. Thomas	Not Started			Virgin Island Department of Planning and Natural Resources , U.S. Fish and Wildlife Service - Endangered Species Program	Work type not yet selected	Labor type not yet selected	
St. Thomas prickly-ash (Zanthoxylum thomsonianum)	2	1111	Develop management plan for St. Thomas conservation easements	Not Started			Virgin Island Department of Planning and Natural Resources , U.S. Fish and Wildlife Service - Endangered Species Program	Work type not yet selected	Labor type not yet selected	
St. Thomas prickly-ash (Zanthoxylum thomsonianum)	1	112	Cooperative agreement with National Park Service/Virgin Islands National Park	Partially Complete	Prior to FY 1995	FY 2011	National Park Service, U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Internal Technical Assistance, Species Expert, Volunteer	Cooperative Agreement # H5000-01-0557
St. Thomas prickly-ash (Zanthoxylum thomsonianum)	1	113	Cooperative agreements with private landowners in Puerto Rico	Not Started			Puerto Rico Department of Natural and Environmental Resources, U.S. Fish and Wildlife Service - Endangered Species Program	Other: Administration, Other: Regulations	Internal Administrative	
St. Thomas prickly-ash (Zanthoxylum thomsonianum)	1	121	Monitor known population	Partially Complete	Prior to FY 1995	FY 2006	National Park Service, Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , U.S. Fish and Wildlife Service - Endangered Species Program	Management: Population Monitoring	Contract, Graduate Student, Species Expert, Volunteer	Cooperative Agreement # H5000-01-0557

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St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	1	122	Enforce Puerto Rico regulations prohibiting take	Ongoing Current	Prior to FY 1995	FY 2011	Puerto Rico Department of Natural and Environmental Resources, U.S. Fish and Wildlife Service - Endangered Species Program, U.S. Fish and Wildlife Service, Division of Law Enforcement	Other: Law Enforcement, Other: Regulations	Internal Administrative	DNER lead this effort
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	123	Explain importance of plant protection to private landowners in Virgin Islands	Ongoing Current	Prior to FY 1995	FY 2011	Virgin Island Department of Planning and Natural Resources , U.S. Fish and Wildlife Service - Endangered Species Program	Other: Information and Education	Internal Administrative	
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	124	Educate public on plant conservation values and regulations	Ongoing Current	Prior to FY 1995	FY 2011	Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , University , U.S. Fish and Wildlife Service - Endangered Species Program	Other: Information and Education	Internal Administrative	
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	21	Continue search for new populations	Ongoing Not Current	Prior to FY 1995	FY 2011	National Park Service, Puerto Rico Department of Natural and Environmental Resources, U.S. Fish and Wildlife Service - Endangered Species Program	Research: Population Surveys	Contract, Graduate Student, Species Expert, Volunteer	Universities, volunteers
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	3	31	Define habitat requirements	Not Started			National Park Service, Puerto Rico Department of Natural and Environmental Resources, University , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert, Volunteer	

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St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	32	Determine reproductive biology and ecology	Not Started			Virgin Island Department of Planning and Natural Resources , University , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	Costs to include tasks 321-326
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	321	Determine phenology and pollination mechanisms	Not Started			Virgin Island Department of Planning and Natural Resources , University , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	322	Assess seed production and dispersal	Not Started			Virgin Island Department of Planning and Natural Resources , University , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	323	Evaluate seed viability and germination requirements	Not Started			Botanical Gardens, Virgin Island Department of Planning and Natural Resources , University , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	324	Evaluate requirements for seedling establishment and growth	Not Started			Virgin Island Department of Planning and Natural Resources , University , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	325	Determine minimum size, density, and sex ratio necessary to maintain population	Not Started			Virgin Island Department of Planning and Natural Resources , University , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	

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St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	326	Evaluate role of vegetative regeneration	Not Started			Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , University , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	33	Evaluate feasibility of artificial propagation	Not Started			Botanical Gardens, Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	Costs to include tasks 331 and 332
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	331	Assess relative feasibility of propagation from seed versus cuttings	Not Started			Botanical Gardens, Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , University , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	2	332	Determine feasibility of ex situ production of seed and cuttings	Not Started			Botanical Gardens, Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	

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St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	3	34	Select sites for population introduction or enhancement using propagated material	Not Started			Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	3	341	Assess habitat suitability	Not Started			Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , U.S. Fish and Wildlife Service - Endangered Species Program	Work type not yet selected	Labor type not yet selected	
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	3	342	Assure site protection	Not Started			National Park Service, Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , U.S. Fish and Wildlife Service - Endangered Species Program	Acquisition, Management, Other: Law Enforcement, Other: Regulations	Internal Administrative, Internal Technical Assistance	
St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	3	41	Determine number of individuals and populations necessary to assure species' self-perpetuation	Not Started			Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , U.S. Fish and Wildlife Service - Endangered Species Program	Research	Contract, Graduate Student, Species Expert	

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St. Thomas prickly-ash (<i>Zanthoxylum thomsonianum</i>)	3	42	Determine additional actions necessary to achieve recovery objective	Ongoing Current			National Park Service, Puerto Rico Department of Natural and Environmental Resources, Virgin Island Department of Planning and Natural Resources , U.S. Fish and Wildlife Service - Endangered Species Program	Other: Administration	Contract, Graduate Student, Internal Technical Assistance, Species Expert	